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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Applicant : Constantine J. Tsikos
Application Serial No.: 10/067,540
Filing Date : February 5, 2002
Title: PLIIM-BASED SEMICONDUCTOR CHIPS
Examiner : Ahshik Kim
Group Art Unit : 2876
Attorney Docket No. : 108-127USANC0

Honorable Commissioner of Patents
and Trademarks
Washington, DC 20231

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RESPONSE TO OFFICE ACTION MAILED APRIL 23, 2003

Sir:

In response to the Office Action mailed in the present Application on April 23, 2003, Applicants submit the following amendments to the same:

AMENDMENT OF THE TITLE OF INVENTION:

Please amend the Title of Invention to read as follows:

-- PLANAR LASER ILLUMINATION AND IMAGING MODULE (PLIIM) BASED SEMICONDUCTOR CHIPS--

AMENDMENT OF THE CLAIMS:

Please cancel claim 272 and amend claims 263-269, 271, 273, 275 and 277 as follows:

Claim 263 (currently amended): A planar laser illumination and imaging module (PLIIM) realized on a semiconductor chip for integration into a system having a working range, said PLIIM comprising:

a pair of micro-sized (diffractive or refractive) diffractive or refractive cylindrical lens arrays mounted upon a pair of large linear arrays of surface emitting lasers (SELs) for producing a plurality of substantially planar laser beam components,

said pair of linear arrays being fabricated on opposite sides of a linear ELECTRONIC electronic image detection array provided with optics having a field of view (FOV),